

The Files:

27 August 1962

25X1A9a

25X1A5a1

Noise and Interference Attenuator

1. On 23 August 1962, a visit was made to [REDACTED] This visit was to review the progress being made [REDACTED] on a Noise and Interference Attenuator which is being fabricated as an adaptor to a 51J-4 receiver. The NIA to be delivered is a system which is expected to provide a significant improvement in the ability of the 51J-4 receiver to function in the presence of random electric noise and signal jamming. The NIA unit will be packaged as a separate unit, and will be mounted in a suitable rack with the 51J-4 receiver and a dumont 401 oscilloscope for signal monitoring.

25X1A5a1

25X1A5a1

2. [REDACTED] had a unit fabricated and considered it ready for demonstration. The unit failed to perform properly during this visit and it appeared to be due to a failure in the second demodulator and the audio system of the adaptor. The author discussed with Mr. [REDACTED] several changes which were felt necessary. The changes were:

25X1A5a1

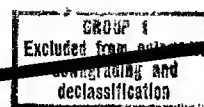
25X1A5a1

- a. Make the unit capable of operating from 115 volts AC rather than dry battery pack which was installed in the unit.
- b. Bring out to the front panel a control for varying the BFO.
- c. Improve the operating tune up instructions.
- d. Improve the overall tuner characteristics to reduce the critical tuning requirements of the unit.

Mr. [REDACTED] indicated that repairs would be made to the unit and the suggested changes would be investigated.

25X1A5a1

25X1A9a



~~SECRET~~

25X1A5a1 **SUBJECT: Noise and Interference Attenuator**  
[REDACTED]

Distribution:  
R and D Subject File  
R and D Lab  
OC-T  
Monthly (2)  
EP Chrono

OC-E/R and D-EP:NPH:mlf (27 August 1962)